

IN THE SPECIFICATION:

Pages 15-16, please replace the last paragraph, beginning on page 15 and continuing on to page 16, with the following paragraph:

Next, the relationship between the conductivity C detected by the conductivity detecting electrode 3 and the time interval t after the light is turned on is shown in Fig. 5A to Fig. 5C in the case of operating the apparatus shown in Fig. 2 and Fig. 3 at a constant rate of flow F . Similar to Fig. 4A to Fig. 4C, in Fig. 5A to Fig. 5C; Fig. 5A shows the change in conductivity in the case that $F = V/T$, Fig. 5B shows the change in conductivity in the case that $F \geq$ (less than) V/T , and Fig. 5C shows the change in conductivity in the case that $F \leq$ (greater than) V/T .